

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	18	(poxb near5 (attenuate? or inactivate? or eliminate?)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 12:35
S2	11	pompejus.in. and glutamicum.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/05 12:50
S3	472	glutamicum and coli and (attenuate? or eliminate? or recombina?)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/11 07:51
S4	470	glutamicum and coli and (attenuate? or eliminate?)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/11 07:51
S5	120	S4 and equivalent?	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/11 07:52
S6	48	S4 and flux	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/11 07:54
S7	34	S5 and (glutamicum near5 coli)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/11 08:04
S9	0	coli.ab. and (l-amino adj acid adj production)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/11 08:10
S10	71	coli and (l-amino adj acid adj production)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/11 08:11
S11	2	coli near10 (l-amino adj acid adj production)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/11 08:12
S12	30	coli and tf427	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/11 08:13
S13	2	"5538873".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/11 08:14
S14	3157	attenuate and coli and (amino adj acid)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/11 08:14

## EAST Search History

S15	1073	attenuate and (escherichia adj coli) and (amino adj acid)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/11 08:14
S16	174	S15 and coli.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/11 08:15
S17	2	(coli near5 pyc) and (pyruvate adj carboxylase)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:26
S18	0	eiteman.in. and poxb	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:26
S19	0	eiteman.in. and (pyruvate adj oxidase)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:27
S20	0	altman.in. and (pyruvate adj oxidase)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:27
S21	0	minning.in. and ((pyruvate adj oxidase) or poxb)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:27
S22	0	vemuri.in. and ((pyruvate adj oxidase) or poxb)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:28
S23	33	"1.2.2.2" and coli	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:30
S24	1	(pyruvate adj dehydrogenase) near5 (attenuat\$ or elminat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:42
S25	5	tdh near5 (attenuat\$ or elminat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:43
S26	0	mdh near5 (attenuat\$ or elminat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:43
S27	6	pcka near5 (attenuat\$ or elminat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:46

## EAST Search History

S28	5	ytfp near5 (attenuat\$ or eliminat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:47
S29	6	yjfa near5 (attenuat\$ or eliminat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 15:43
S30	35	yjfa and coli	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:48
S31	104	tdh and coli and threonine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:51
S32	47	rhtb and coli and threonine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:51
S33	29	poxb near5 (attenuat\$ or eliminat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 15:49
S34	44	poxb and (pps or tdh or yjfa)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 16:02
S35	42	S34 not S33	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 15:50
S36	29	poxb.clm. and (pps or tdh or yjfa).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 16:02
S37	28	S36 not S33	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/13 16:02
S38	48	poxb and (pps or tdh or yjfa)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/18 15:36
S39	1300	(amino adj acid) same (transport or secretion or secrete) same coli	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/18 15:36
S40	58	valine same (transport or secretion or secrete) same coli	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/18 15:36

## EAST Search History

S41	2	"5610174".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/24 15:06
S42	6	wyllie.in. and phenylephrine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/24 16:46
S43	2	"20040214186".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/24 16:47
S44	2	"5958721".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/24 16:47
S45	2	"7712883".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/03/12 07:25
S46	1	"7172883".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/03/12 07:26
S47	1	"7241600".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/03/12 07:27
S48	3	"7211415".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/03/12 09:02
S49	228	poxb.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/04/15 08:33
S50	228	S49 and coli	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/04/15 08:33
S51	274	"pyruvate oxidase".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/04/15 09:52
S52	205	S51 and coli	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/04/15 09:53
S53	228	poxb.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/04/15 09:53

## EAST Search History

S54	46	S52 not S53	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/04/15 09:53
S55	138	(poxb OR "pyruvate oxidase").clm. and (escherichia OR coli).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/04/18 10:30
S56	5	("7229802" OR "7211415").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/04/18 10:56
S57	2	"7319026".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/04/18 11:05
S58	2	"7160703".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/04/18 11:11
S59	2	"7052883".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/04/18 11:19
S60	1300	poxb OR "pyruvate oxidase"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/16 12:27
S61	61	S60 same (knock-out OR recombination OR attenuat? or inactivat? or eliminat?)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/16 12:28
S62	1	"0472869".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/16 12:32
S63	2	"472869".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/16 12:32
S64	4	"733712".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/16 12:33
S65	2	"6197559".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/16 13:04
S66	454	(glutamicum OR coryneform) AND (poxb OR "pyruvate oxidase")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/16 13:06

## EAST Search History

S67	58	steadman.xp.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/16 13:11
S68	11	steadman.xp. and oxidase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/16 13:11
S69	2	"7319026".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/16 13:57